

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Christopher P. Hondl et al. Art Unit : 2621
Serial No. : 09/880,085 Examiner : Unknown
Filed : June 14, 2001
Title : DATA COMPRESSION SYSTEM AND TECHNIQUE

Attention: Official Draftsman
Commissioner for Patents
Washington, D.C. 20231

TRANSMITTAL OF FORMAL DRAWINGS

Please substitute the enclosed six (6) sheets of formal drawings for the corresponding drawings presently in the application.

Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: October 17, 2001

Diana DiBerardino
Diana DiBerardino
Reg. No. 45,653

Fish & Richardson P.C.
601 Thirteenth Street, NW
Washington, DC 20005
Telephone: (202) 783-5070
Facsimile: (202) 783-2331

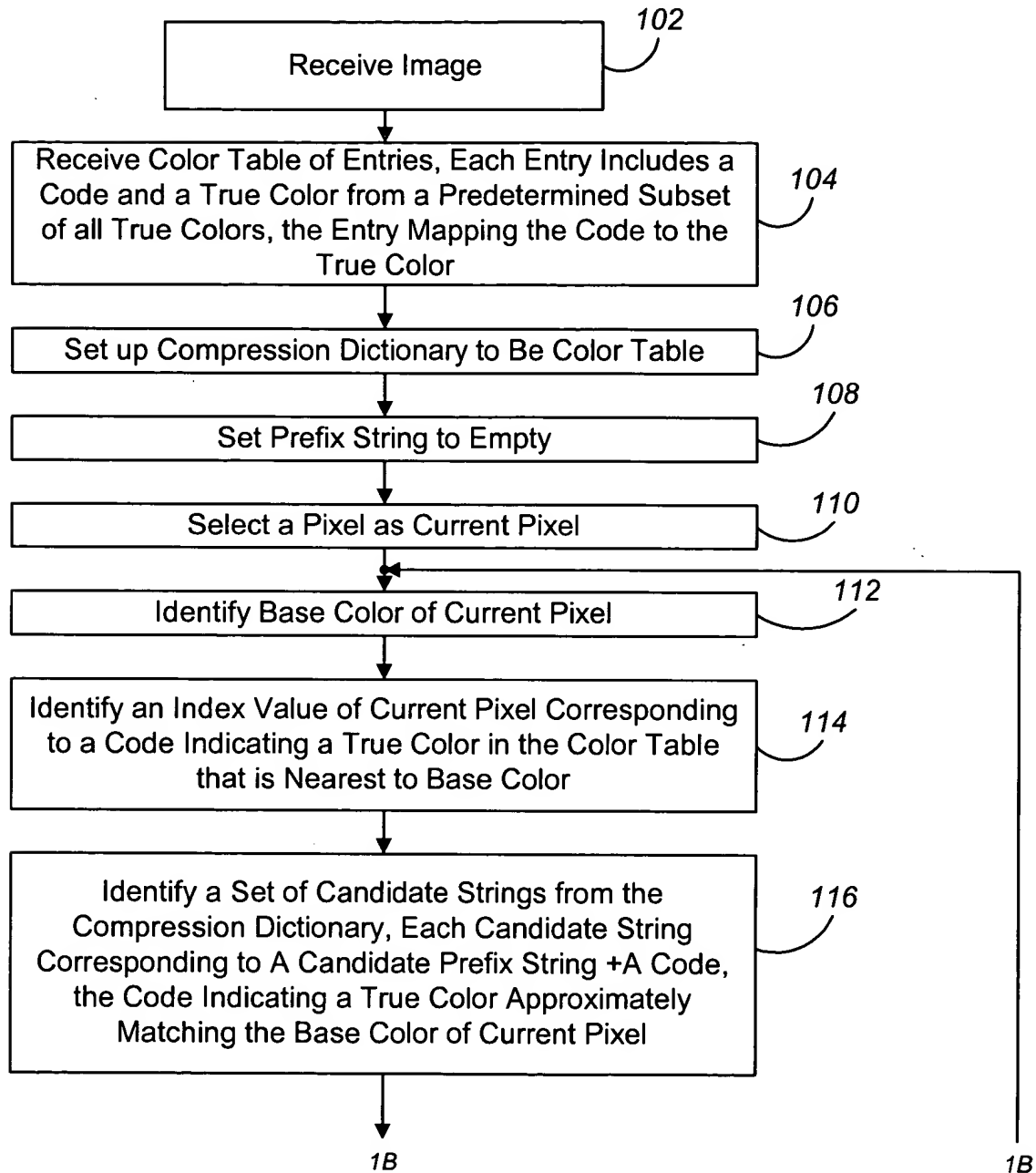
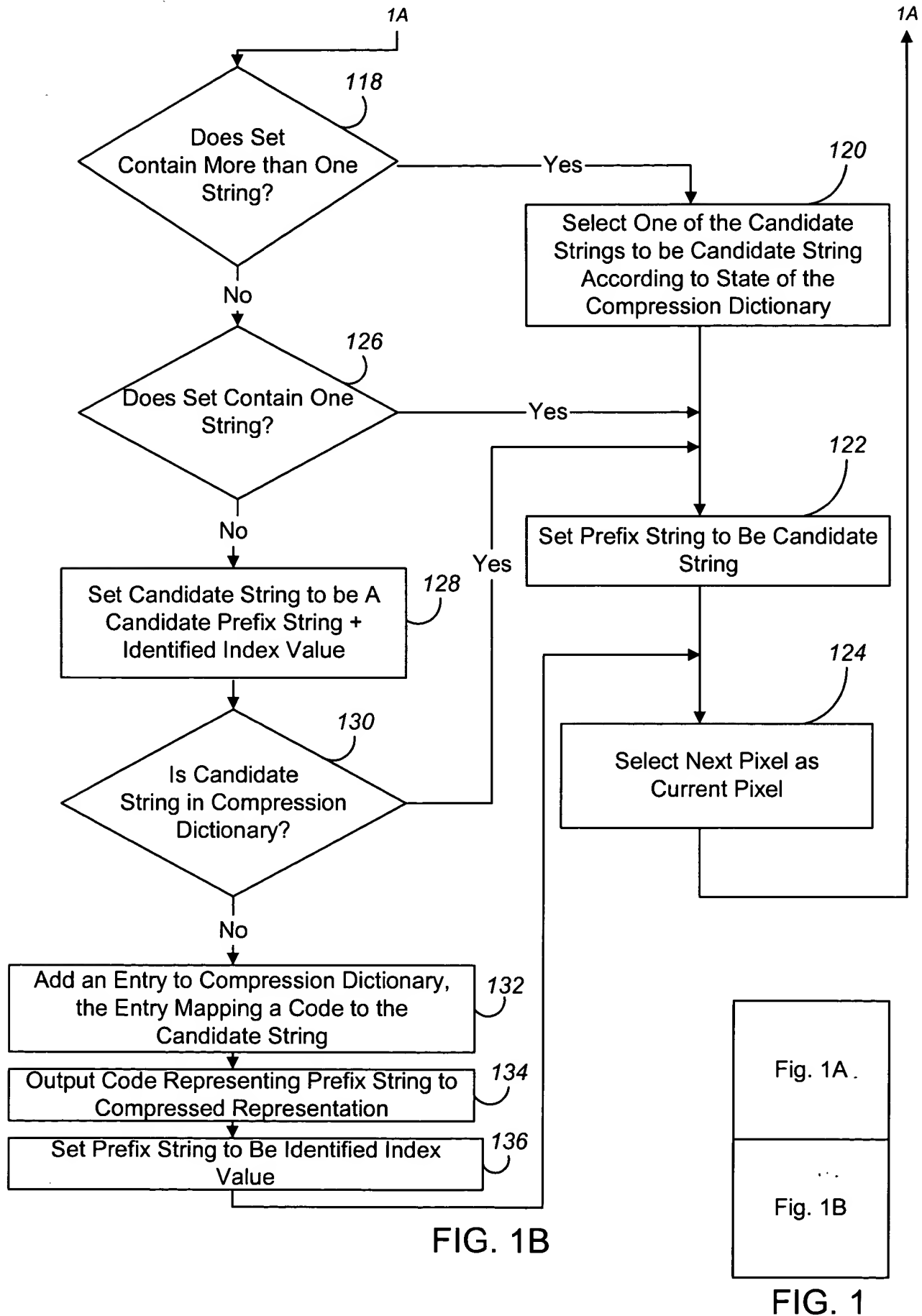


FIG. 1A



200

Color-Lookup Table	
Index (i)	True Color
0	(X_0, Y_0, Z_0)
1	(X_1, Y_1, Z_1)
2	(X_2, Y_2, Z_2)
⋮	⋮
N	(X_N, Y_N, Z_N)

202 204

FIG. 2

300

Compression Dictionary	
302 Code (j)	304 String
0	$[(X_0, Y_0, Z_0)] = 0$
1	$[(X_1, Y_1, Z_1)] = 1$
2	$[(X_2, Y_2, Z_2)] = 2$
.	.
.	.
.	.
N	$[(X_N, Y_N, Z_N)] = N$
N+1	$[(TC_1), (TC_2), \dots] = N+1$
N+2	$[(TC_1), (TC_2), \dots] = N+2$
.	.
.	.
.	.
.	.
N + M	$[(TC_1), (TC_2), \dots] = N + M$

200

TC_K is an element of
 the set of True color
 codes in the color-
 lookup table 200

FIG. 3

400


Sample Compression Dictionary	
Code	String
0	$[(0, 0, 0)] = 0$
1	$[(5, 0, 0)] = 1$
2	$[(10, 0, 0)] = 2$
.	.
.	.
.	.
72	$[(250, 75, 75)] = 72$
.	.
.	.
213	$[(64, 267, 84)] = 213$
.	.
.	.
N	$[(255, 255, 255)] = 255$
<hr/>	
.	.
.	.
456	$[72, 213]$
.	.
.	.
N+M	$[6, 7, 192, 151]$

FIG. 4

*Kernel in which the error value of a pixel is used to adjust a true color of those pixels adjacent and following in sequence that pixel

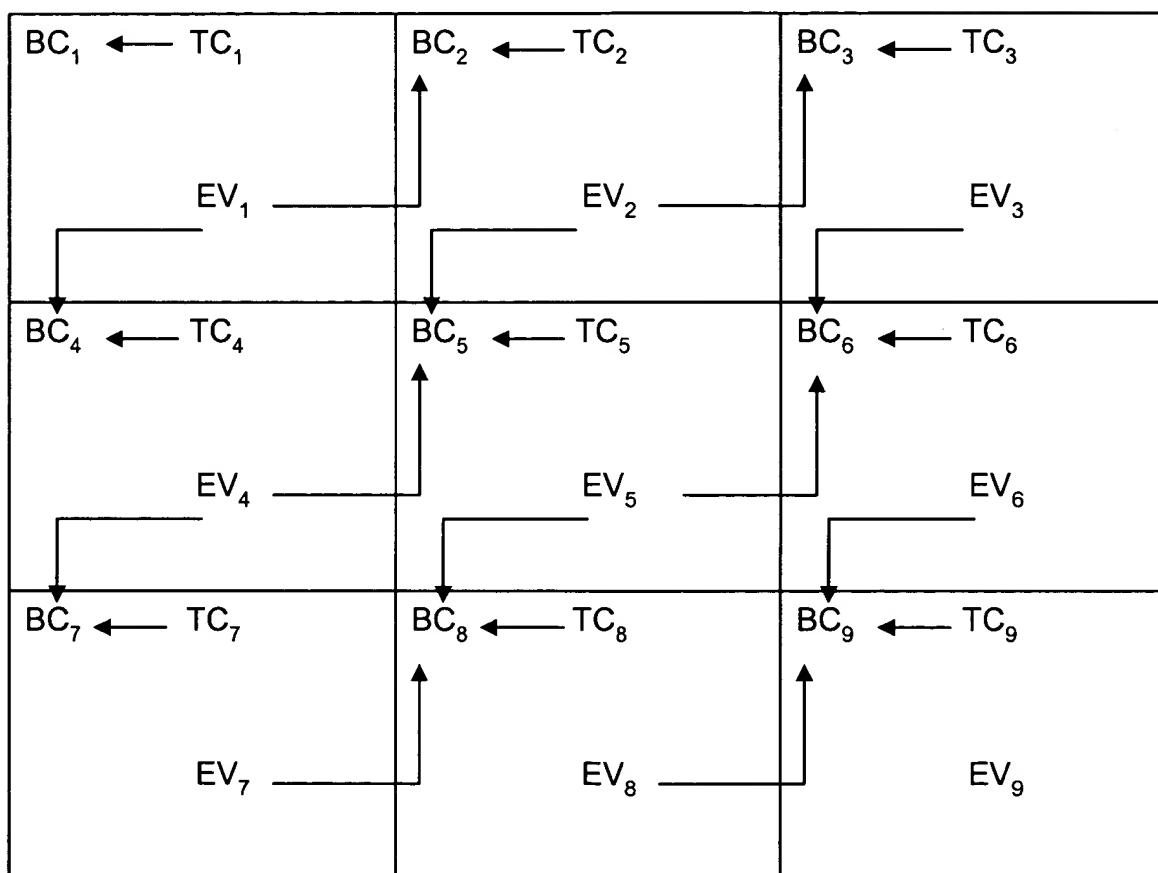


FIG. 5